

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L25	297	367/15.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 17:46
L24	1	17 and delay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 17:35
L23	0	17 and superposition\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:29
L22	0	17 and superpose	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:29
L21	0	17 and superpoe	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:28
L20	0	17 and superpos\$5	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:28
L19	0	17 and azimuth\$4 and (time-delay or (time adj delay))	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:28
L18	52	("20020143470"   "20020181328"   "2336053"   "3431999"   "3753222"   "3934220"   "4001770"   "4403312"   "4476555"   "4567582"   "4677598"   "4910716"   "4930110"   "4937794"   "5761152"   "5818795"   "6463388"   "6574567"). PN. OR ("3491848"   "4970696"   "6882938"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 17:09
L17	7	"6882938".pn. "4970696". pn. "3491848".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 17:06

L14	13	(Herkenhoff.in. or stefani.in.) and seismic and source	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:51
L13	2	11 and (time adj delay) and azimuth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:50
L12	12	11 and (time adj delay)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:50
L11	55	L5 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L10	6533	L8 and L9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L9	174522	L7 with L6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L8	126850	L7 with (lateral\$4 or perpendicular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L7	3321614	(secondary or satellite or offset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L6	4742979	(source or airgun or (air adj gun))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49

L5	2005	seismic and streamer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/30 16:49
L4	15	("5424999" "5448531"   "5729506" "5761152"   "5818795" "5995905"   "6088299" "6148264"   "6205403").PN. OR ("6751559").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:44
L3	116	L1 L2	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:40
L2	48	("20030067842"   "20030125878"   "20040042341"   "20040066707"   "20050180260"   "20060155476"   "20060155477"   "20070159921"   "2693862"   "3560912"   "3605674"   "3774570"   "3934220"   "4404664"   "4803668"   "4834181"   "4942991"   "4965773"   "4970696"   "4992990"   "4992991"   "5128904"   "5300929"   "5430689"   "5443027"   "5508973"   "5555531"   "5668775"   "5682357"   "5761152"   "6028817"   "6044040"   "6175809"   "6178381"   "6285956"   "6292754"   "6343256"   "6525992"   "6529832"   "6553315"   "6590831"   "6671223"   "6714873"   "6862531"   "6944094").PN. OR ("7400552").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:40
L1	72	("3304533" "3379273"   "3491848"   "3744021"   "3864664"   "4038630"   "4087780"   "4326271"   "4357689"   "4382486"   "4476550"   "4476553"   "4486864"   "4500978"   "4914636"   "4964103"   "4970696"   "4980866"   "4992996"   "5062086"   "5198979"   "5424999"   "5587942"   "5596547"   "5696735").PN. OR ("2002/0181328"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:40

		"2004/0136266"   "4693336"   "5761152"   "6002642").URPN.				
S114	48	("20030067842"   "20030125878"   "20040042341"   "20040066707"   "20050180260"   "20060155476"   "20060155477"   "20070159921"   "2693862"   "3560912"   "3605674"   "3774570"   "3934220"   "4404664"   "4803668"   "4834181"   "4942991"   "4965773"   "4970696"   "4992990"   "4992991"   "5128904"   "5300929"   "5430689"   "5443027"   "5508973"   "5555531"   "5668775"   "5682357"   "5761152"   "6028817"   "6044040"   "6175809"   "6178381"   "6265956"   "6292754"   "6343256"   "6525992"   "6529832"   "6553315"   "6590831"   "6671223"   "6714873"   "6862531"   "6944094").PN. OR ("7400552").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:39
S113	72	("3304533"   "3379273"   "3491848"   "3744021"   "3864664"   "4038630"   "4087780"   "4326271"   "4357689"   "4382486"   "4476550"   "4476553"   "4486864"   "4500978"   "4914636"   "4964103"   "4970696"   "4980866"   "4992996"   "5062086"   "5198979"   "5424999"   "5587942"   "5596547"   "5696735").PN. OR ("2002/0181328"   "2004/0136266"   "4693336"   "5761152"   "6002642").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/30 16:38
S112	10	((("20020181328") or ("20040136266") or ("6002642") or ("4693336") or ("5761152")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/30 16:36

S111	2	S110 and regnault.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2009/12/30 09:52
S110	68	(US-20020091487-\$ or US-20020181328-\$ or US-20040008578-\$ or US-20040013037-\$ or US-20040032794-\$ or US-20040136266-\$ or US-20080267010-\$).did. or (US-3285363-\$ or US-3569922-\$ or US-3687218-\$ or US-3806863-\$ or US-3893539-\$ or US-3953826-\$ or US-3956730-\$ or US-3984805-\$ or US-4064481-\$ or US-4106585-\$ or US-4134098-\$ or US-4146870-\$ or US-4146871-\$ or US-4159463-\$ or US-4170002-\$ or US-4242740-\$ or US-4254480-\$ or US-4300653-\$ or US-4357689-\$ or US-4405999-\$ or US-4441174-\$ or US-4467459-\$ or US-4486864-\$ or US-4493061-\$ or US-4506352-\$ or US-4564927-\$).did. or (US-4648080-\$ or US-4693336-\$ or US-4715020-\$ or US-4739858-\$ or US-4797861-\$ or US-4823326-\$ or US-4943950-\$ or US-4953657-\$ or US-4960183-\$ or US-4982374-\$ or US-5247486-\$ or US-5319609-\$ or US-5327399-\$ or US-5408441-\$ or US-5463594-\$ or US-5661697-\$ or US-5721710-\$ or US-5761152-\$ or US-5822269-\$ or US-5924049-\$ or US-5973995-\$ or US-6028818-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2009/12/30 09:52

		6327537-\$ or US- 6483774-\$ or US- 6510390-\$ or US- 6545944-\$ or US- 6648097-\$).did. or (US- 6687619-\$ or US- 6754590-\$ or US- 6865488-\$ or US- 6882938-\$ or US- H000656-\$ or US- RE32683-\$ or US- 6292755-\$).did. or (US- 4970696-\$).did.				
S109	48	("20030067842"   "20030125878"   "20040042341"   "20040066707"   "20050180260"   "20060155476"   "20060155477"   "20070159921"   "2693862"   "3560912"   "3605674"   "3774570"   "3934220"   "4404664"   "4803668"   "4834181"   "4942991"   "4965773"   "4970696"   "4992990"   "4992991"   "5128904"   "5300929"   "5430689"   "5443027"   "5508973"   "5555531"   "5668775"   "5682357"   "5761152"   "6028817"   "6044040"   "6175809"   "6178381"   "6285956"   "6292754"   "6343256"   "6525992"   "6529832"   "6553315"   "6590831"   "6671223"   "6714873"   "6862531"   "6944094").PN. OR ("7400552").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/28 12:41
S108	12	("4914636"   "4970696"   "5424999").PN. OR ("5761152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/28 12:39
S107	55	S100 and S106	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:20
S106	6529	S103 and S105	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:20

S105	174427	S102 with S101	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:20
S104	126803	S102 with S103	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:20
S103	126803	S102 with (lateral\$4 or perpendicular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:19
S102	3320394	(secondary or satellite or offset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:19
S101	4741233	(source or airgun or (air adj gun))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:18
S100	2005	seismic and streamer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 12:18
S99	154	S97 and azimuth\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 10:41
S98	139	S97 and azimuth	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 10:41
S97	880	seismic and (source or airgun or (air adj gun)) and streamer and (lateral \$4 or horizontal\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/28 10:41

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L32	394	181/118,120.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:49
L31	391	367/153,158.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:47
L30	193	367/144.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:47
L29	337	367/20.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:46
L28	126	367/23.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:46
L27	290	367/21.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:46
L26	279	367/15.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:46
L16	3	"6882938".pn. "4970696". pn. "3491848".pn.	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 17:06
L15	9	(Herkenhoff.in. or stefani. in.) and seismic and source	US-PGPUB; USPAT; UPAD	OR	ON	2009/12/30 16:52

**12/30/09 5:56:56 PM****C:\Documents and Settings\shughes\My Documents\EAST\Workspaces\10582682.wsp**